| ISSUE SLIP STAPLE AREA (for additional cross-references)  ISSUING CLASSIFICATION |                                                  |    |          |              |              |          |          |              |          |          |        |                                   |             |                    |              |          |           |          |              |          |                       |           |            |          |            |           |           |          |          |                                                  |          |          |          |                                          |
|----------------------------------------------------------------------------------|--------------------------------------------------|----|----------|--------------|--------------|----------|----------|--------------|----------|----------|--------|-----------------------------------|-------------|--------------------|--------------|----------|-----------|----------|--------------|----------|-----------------------|-----------|------------|----------|------------|-----------|-----------|----------|----------|--------------------------------------------------|----------|----------|----------|------------------------------------------|
| ORIGINAL                                                                         |                                                  |    |          |              |              |          |          |              |          | _        |        |                                   |             | CROSS REFERENCE(S) |              |          |           |          |              |          |                       |           |            |          |            |           |           |          |          |                                                  |          |          |          |                                          |
| CLASS SUBCLASS                                                                   |                                                  |    |          |              |              |          | 4        | _            | LA       | SS       | _      | SUBCLASS (ONE SUBCLASS PER BLOCK) |             |                    |              |          |           |          |              |          |                       |           |            |          |            |           |           |          |          |                                                  |          |          |          |                                          |
|                                                                                  |                                                  |    |          |              |              |          |          |              |          |          |        |                                   |             |                    |              |          |           |          |              |          |                       |           |            |          |            |           |           |          |          |                                                  |          |          |          |                                          |
| INTERNATIONAL                                                                    |                                                  |    |          |              |              |          |          |              |          |          |        |                                   |             |                    |              | T        |           |          |              |          |                       |           |            | T        |            |           | $\dagger$ |          |          | $\dagger$                                        |          |          |          |                                          |
| CLASSIFICATION                                                                   |                                                  |    |          |              |              |          |          |              | _        |          |        |                                   | _           | _                  | _            | t        |           |          | 1            |          |                       | 一         |            | +        |            |           | +         |          |          | ╁                                                |          |          |          |                                          |
| TTT ,                                                                            |                                                  |    |          |              |              |          |          | _            |          |          |        |                                   |             |                    | $\dagger$    |          |           | -        |              |          |                       |           | ╀          |          |            | +         |           |          | +        |                                                  |          |          |          |                                          |
| h                                                                                | <del>                                     </del> |    |          |              |              |          |          | +            | _        |          |        | -                                 |             |                    |              | ╀        |           | _        | -            |          |                       | _         |            | ┼-       |            |           | ╀         |          |          | ╀                                                |          |          |          |                                          |
| -                                                                                |                                                  |    |          |              |              |          |          | +            | _        |          |        | -                                 |             |                    |              | ╀        |           |          | _            |          |                       | <u> </u>  |            | L        |            |           | 1         |          |          | $\perp$                                          |          |          |          |                                          |
| -                                                                                | <del>                                     </del> |    |          |              |              |          |          | 1            |          |          |        | 4                                 | _           |                    |              | $\perp$  |           |          | _            |          |                       |           |            | L        |            |           | L         |          |          |                                                  |          |          |          |                                          |
| L                                                                                |                                                  |    |          |              |              |          |          |              | _        |          |        |                                   |             |                    |              | L        |           |          |              |          |                       |           |            | L        |            |           |           |          |          |                                                  |          |          |          |                                          |
| L                                                                                |                                                  | _  | $\perp$  | $\perp$      |              |          |          |              |          | 1        |        |                                   |             |                    |              |          |           | L        |              | \ C      | ont                   | nue       | <u> be</u> | on Is    | sue        | Sli       | рΙ        | nsi      | de       | File                                             | Ja       | ick      | et       |                                          |
| ✓ Rejected – (Through                                                            |                                                  |    |          |              |              |          |          |              | h n      | ume      | ral) . | C                                 | iNi         | )E)<br>elec        | ( O          | FC       |           | IMS      |              |          | . No                  | on-ele    | cted       | A        |            |           |           | Aı       | no.      | al .                                             |          |          |          |                                          |
|                                                                                  |                                                  |    |          |              |              |          |          | Claim        |          |          |        |                                   |             |                    |              |          | <u> 1</u> |          |              |          | Interference<br>Claim |           |            |          |            |           | <u> 0</u> | bjec     |          |                                                  |          |          |          |                                          |
|                                                                                  |                                                  | t  | *        | Ţ            | T            | T        |          | Ť            | Т        | T        | 1      | ۲                                 | 1           | ┰                  | Т            | Т        | T         | T        | ate          | Т        | Т                     | Т         | 1          |          |            | ╁         | Г         | Τ-       | Т        | <u>Dat</u>                                       | <u> </u> | 1        | Т        | _                                        |
| Final                                                                            | Original                                         | 3  | *        |              |              | -        | 1        |              |          |          | 1      | Final                             | Original    |                    |              |          |           |          |              |          |                       | 1         |            | <u>_</u> | Original   |           |           |          |          |                                                  |          | 1        |          |                                          |
| Œ                                                                                | •                                                | 1  | *        | 1            | 1            | 1        | 4        | $\downarrow$ | 1        | 1        | 1      | Ē                                 |             |                    | $\downarrow$ | L        | $\perp$   | $\perp$  |              | $\perp$  | $\perp$               | $\perp$   |            | Final    |            | L         | L         |          |          |                                                  | 1        |          |          | ]                                        |
|                                                                                  | Ų                                                | Ĕ  | 1        | +            | +            | +        | +        | +            | +        | +        | +      | $\vdash$                          | 51<br>52    |                    | +            | +        | +         | +        | +            | +        | 1                     | +         | 4          | $\vdash$ | 101        |           | Ĺ         | F        | T        | F                                                | F        | F        | Ŧ        | $oldsymbol{oldsymbol{oldsymbol{arPsi}}}$ |
|                                                                                  | 3                                                | Ľ  | 工        | 1            | $\perp$      | 1        | 上        | 1            | $\pm$    | 士        | t      |                                   | 53          | 上                  | $\dagger$    | 1        | _         | †        | +            | 十        | +                     | $\dagger$ | +          | $\vdash$ | 103        | <u> </u>  | +         | +        | +        | +                                                | t        | +        | +        | +                                        |
| _                                                                                | 5                                                | 4  | 4        | $\downarrow$ | $\bot$       | $\bot$   | $\perp$  | $\perp$      | Ţ        | Ţ        | -      |                                   | 54          | _                  | F            | L        | I         | Γ        | F            | I        | I                     | I         | ]          |          | 104        |           |           | T        | Ţ        | 工                                                | I        | T        | 上        | $\Box$                                   |
| -                                                                                | 6                                                | 8  | #-       | +            | +            | +        | +        | +            | +        | +        | +      | $\vdash$                          | 55<br>56    |                    | ╀            | +        | +-        | +        | +            | +        | ╀                     | +         | 4          | -        | 105<br>106 | -         | -         | ╀        | Ļ        | +                                                | L        | $\perp$  | +        | $\Box$                                   |
|                                                                                  | 7                                                | le |          | 1            |              | İ        | 1        | İ            | 土        | T        | 1      |                                   | 57          |                    | t            |          | t         |          | t            | ✝        | $\dagger$             | †-        | 1          | $\vdash$ | 107        | $\vdash$  | ┝         | ╁        | +        | ╁                                                | ╁        | ╁        | +        | Н                                        |
|                                                                                  | 8                                                | ļ  | 4        | 4            | $\bot$       | +        | I        | $\perp$      | F        | Ţ        | 7      |                                   | 58<br>59    |                    | L            |          | Γ         | I        | L            | Γ        | I                     | L         | ]          |          | 108        |           |           |          |          |                                                  |          |          | 上        | 口                                        |
| 7                                                                                | 10                                               |    | ╁        | ╁            | ╁            | ╁        | ╁        | ╁╌           | ╁        | ╀        | 1      | $\vdash$                          | 60          |                    | ╁            | ╀╌       | ╁         | ╀        | ╀            | ╀        | ╀                     | +-        | ┨          | -        | 109        |           | _         | ╀        | ╀        | ╀                                                | L        | -        | Ļ        | Н                                        |
|                                                                                  | 11                                               | 2  | L        | İ            |              |          | İ        |              | İ        | t        | 1      | L                                 | 61          |                    |              | T        | T         | $\vdash$ | +            | t        | +                     | $\vdash$  | 1          | $\vdash$ | 111        | ┢         | ┝         | ╁        | ╁        | ╁                                                | ╁╴       | ╁        | ╁        | ┨                                        |
|                                                                                  | 12<br>13                                         | 0  | 1        | F            | $\downarrow$ | L        |          | L            | Į        | Ţ        | ]      |                                   | 62          | _                  | L            | L        |           |          | Γ            | I        |                       | I         | 1          |          | 112        |           |           |          |          |                                                  | Ĺ        |          | 上        | 口                                        |
|                                                                                  | 14                                               | T. | -        | ╬            | ╁            | ╀        | ╁        | ╁            | ╀        | ╁        | ┨      | -                                 | 63<br>64    | _                  | ╀            | $\vdash$ | ╀         | ╀        | ╀            | ╀        | ╀                     | ╀         | -          | $\vdash$ | 113        | L         | _         | ╀        | ╀        | ╀                                                | $\perp$  | L        | $\perp$  | П                                        |
| _                                                                                | 15                                               |    | Ĺ        | İ            | $\perp$      | T        | 士        |              | 上        |          | 1      |                                   | 65          |                    | 1            | H        | +         | ╁        | $\vdash$     | H        | +                     | 十         | 1          | $\vdash$ | 115        | Н         | _         | ╁        | +-       | ╁                                                | ╁        | Ͱ        | ╁        | ┤┤                                       |
| 1                                                                                | 16<br>17                                         | Ļ. | L        | L            | 4            | L        |          | L            | F        | $\bot$   | ]      |                                   | 66<br>67    | L                  |              |          |           | Г        |              | Γ        |                       | L         | 1          |          | 116        |           |           | L        |          |                                                  |          |          |          |                                          |
| _                                                                                | 18                                               | -  | $\vdash$ | ╁            | +            | ╁        | ╁        | ╁            | ╁        | ╁        | 1      | $\vdash$                          | 68          | ╁                  | ┝            | -        | ┝         | $\vdash$ | -            | ╁        | ╀                     | ┼-        | -          | -        | 117<br>118 | _         | _         | -        | ╀        | ╀                                                | <u> </u> | ├-       | ₽        | H                                        |
|                                                                                  | 19                                               |    |          | L            | T            |          |          | L            | İ        |          | 1      |                                   | 69          |                    |              |          |           | L        |              | T        |                       | 1         | 1          |          | 119        | Н         | _         | H        | $\vdash$ | H                                                | ┢        | ╁        | ╁        | Н                                        |
|                                                                                  | 20<br>21                                         | -  |          | ╀            | -            | 1        | +        | L            | 1        | +-       | 1      | -                                 | 70<br>71    |                    | _            |          |           |          |              | 1        | 1 .                   | L         | 1          |          | 120        |           |           |          |          |                                                  |          |          | Ι        | П                                        |
|                                                                                  | 22                                               | _  | $\vdash$ | ╁            | 十            | t        | +        | ╁╴           | +        | +        | 1      | $\vdash$                          | 72          | ├-                 | $\vdash$     | -        | ┝         | -        | ┝            | ╁        | -                     | ├-        | ┨          | $\vdash$ | 121<br>122 | $\dashv$  | _         | -        | ╀        | ╀                                                | H        | ├        | ╀        | Н                                        |
|                                                                                  | 23<br>24                                         |    |          | L            | Γ            |          | L        | $\Box$       |          |          | 1      |                                   | 73          |                    |              |          |           |          |              | 匚        |                       |           | 1          |          | 123        |           |           |          |          |                                                  |          | _        | $\vdash$ | Н                                        |
|                                                                                  | 24<br>25                                         | _  | ├-       | ╀            | ╀            | ┢        | ╀        | -            | ╀        | +-       | ł      | H                                 | 74<br>75    | ┝                  | ┞            | -        | ┞         | -        | ┡            | -        | -                     | _         | ł          |          | 124<br>125 |           |           | L        |          | L                                                |          | L        |          | П                                        |
|                                                                                  | 26                                               | _  |          | t            |              |          |          |              | t        |          | 1      |                                   | 76          | ╁                  |              | $\vdash$ | 1-        | -        | ╁            | $\vdash$ | $\vdash$              | H         | ł          | -        | 126        | -         |           | $\vdash$ | ┝        | ╁                                                | $\vdash$ | -        | ┝        | Н                                        |
|                                                                                  | 27<br>28                                         | _  | <u> </u> | L            | -            | L        |          | L            | L        | _        |        |                                   | 77          |                    |              |          |           |          |              |          |                       |           | 1          |          | 127        |           |           |          |          |                                                  |          |          | L        | 口                                        |
| _                                                                                | 29                                               | _  | -        | -            | ╁            | $\vdash$ | -        | $\vdash$     | ├        | +        | 1      | -                                 | 78<br>79    | $\vdash$           | $\vdash$     | -        | -         | -        | -            | -        | $\vdash$              | -         |            | $\vdash$ | 128<br>129 | -         |           | <u> </u> | -        | _                                                | _        | H        | <u> </u> | Н                                        |
|                                                                                  | 30                                               | _  |          |              |              |          |          |              |          |          | 1      |                                   | 80          |                    |              |          |           |          |              |          |                       |           |            | Н        | 130        | _         |           | -        | -        | <del>                                     </del> | -        | -        | $\vdash$ | Н                                        |
|                                                                                  | 31<br>32                                         | _  | $\vdash$ | -            | Ͱ            | -        | -        | H            | L        | 1        |        | L                                 | 81<br>82    | _                  | L            |          | F         |          | $\vdash$     | Г        |                       |           |            |          | 131        | $\Box$    |           |          |          |                                                  |          |          |          | 口                                        |
|                                                                                  | 33                                               |    | $\vdash$ | -            | $\vdash$     | -        | +        | $\vdash$     | +        | $\vdash$ |        | $\vdash$                          | 83          | -                  | _            | $\vdash$ | -         | ┝        | <del> </del> | -        | -                     | $\vdash$  |            | H        | 132<br>133 | $\dashv$  | -         | -        | $\vdash$ | $\vdash$                                         | _        | <u> </u> | H        | Н                                        |
|                                                                                  | 34                                               | _  |          |              |              |          |          |              |          |          | 1      |                                   | 84          |                    |              |          |           |          |              |          |                       |           |            | 11       | 134        | $\exists$ |           |          |          |                                                  | _        |          | $\Box$   | $\exists$                                |
| _                                                                                | 35<br>36                                         | _  | $\vdash$ | $\vdash$     | $\vdash$     | ┝        | -        | _            | $\vdash$ | -        |        | -                                 | 85<br>86    | H                  |              | _        | <u> </u>  | <u> </u> | <u> </u>     | _        | <u> </u>              |           |            | -        | 135<br>136 | $\dashv$  | $\exists$ |          |          | П                                                | _        |          | П        | $\Box$                                   |
| 1                                                                                | 37                                               |    |          |              |              | -        | H        | <u> </u>     |          | $\vdash$ |        | -                                 | 87          |                    | -            |          | Н         | -        |              |          | -                     |           |            | -        | 137        | $\dashv$  | $\dashv$  | Н        |          | Н                                                | _        | _        | Н        | $\dashv$                                 |
| - 1                                                                              | 8                                                | _  |          |              |              |          |          |              |          |          |        |                                   | 88          |                    |              |          |           |          |              |          |                       |           |            |          | 138        |           |           |          |          |                                                  |          |          |          | $\exists$                                |
|                                                                                  | 9                                                | 4  |          | $\vdash$     | -            | -        | -        | $\vdash$     | -        | Н        |        | H                                 | 89<br>90    | <u> </u>           | Щ            |          | -         |          | Н            | <u> </u> | -                     | Н         |            | -        | 139<br>140 | 4         | 4         | Щ        |          |                                                  | _        | $\Box$   | Ц        | 7                                        |
| 14                                                                               | 11                                               |    |          |              |              |          |          |              |          | H        |        |                                   | 91          | Н                  |              |          |           |          | Н            | Н        |                       | $\vdash$  |            |          | 141        | +         | $\dashv$  | -        | -        | $\dashv$                                         | $\dashv$ | -        | $\dashv$ | $\dashv$                                 |
|                                                                                  | 3                                                | 4  | $\Box$   | Ĺ            | $\Box$       |          |          |              | L        | П        |        | $\Box$                            | 92          |                    | $\Box$       |          |           |          |              | П        |                       |           |            | -        | 142        | $\Box$    | $\Box$    |          |          |                                                  |          |          |          |                                          |
|                                                                                  | 4                                                | -  |          | -            | Н            | _        | $\vdash$ | Н            | -        | Н        |        | Н                                 | 93<br>94    | $\dashv$           | 4            | -        | Щ         | $\dashv$ | -            | $\vdash$ | $\dashv$              | $\dashv$  |            | L        | 143        | +         | $\dashv$  | 4        | _        | _                                                | 4        | $\dashv$ | -        | $\dashv$                                 |
|                                                                                  | 5                                                |    |          |              |              |          |          |              |          |          |        |                                   | 95          |                    |              |          |           |          |              |          |                       |           | i          |          | 145        | $\forall$ | _         |          | $\dashv$ | $\dashv$                                         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$                                 |
|                                                                                  | 6<br>7                                           | 4  | -        |              | Н            |          | $\vdash$ | 4            |          | П        |        |                                   | 96<br>97    | _                  | _            | $\neg$   | $\neg$    | $\dashv$ | $\dashv$     | $\Box$   | $\Box$                |           |            |          | 146        | 丁         | $\exists$ | $\Box$   |          | $\Box$                                           |          |          | $\Box$   | $\Box$                                   |
| 4                                                                                | 8                                                | 7  |          |              | H            |          | H        | $\dashv$     | -        | Н        |        | $\vdash$                          | 98          | -                  | $\dashv$     | -        | -         | $\dashv$ | -            | $\dashv$ | -                     | $\dashv$  |            |          | 147        | +         | +         | -        | -        | $\dashv$                                         | $\dashv$ | -        | $\dashv$ | $\dashv$                                 |
|                                                                                  | 9                                                | 4  |          | _            |              |          |          |              |          |          |        |                                   | 99          |                    | $\Box$       |          |           |          |              |          |                       |           |            |          | 149        | 士         |           |          |          | _                                                |          | 7        | _        | $\exists$                                |
| _                                                                                | <u>ा</u> .                                       |    |          | _            | Ш            | _        | 낵        | <u>س</u>     | re       | tha:     | , I    |                                   | 100<br>Clai |                    |              |          | <u></u>   |          |              |          |                       | 1111      | -          | l she    | 150        | $\prod$   | $\Box$    |          |          | $\Box$                                           |          | $\Box$   | $\Box$   |                                          |
|                                                                                  |                                                  | •  |          |              |              |          | 11       |              |          | uidl     | . 1    | JU                                | uidi        | HS                 | υr           | s a      | UIIC      | (IS      | งเล          | μe       | aQ(                   | າເເເດ     | пa         | เ รกย    | et n       | ere       | •         |          |          |                                                  |          |          |          |                                          |